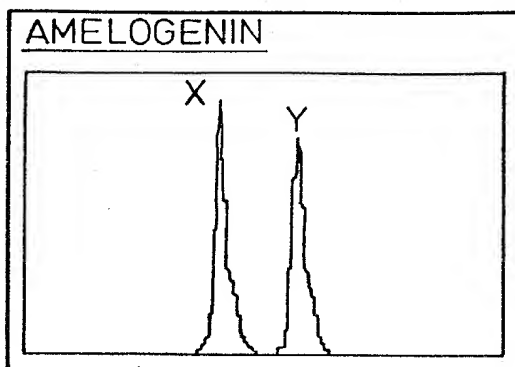
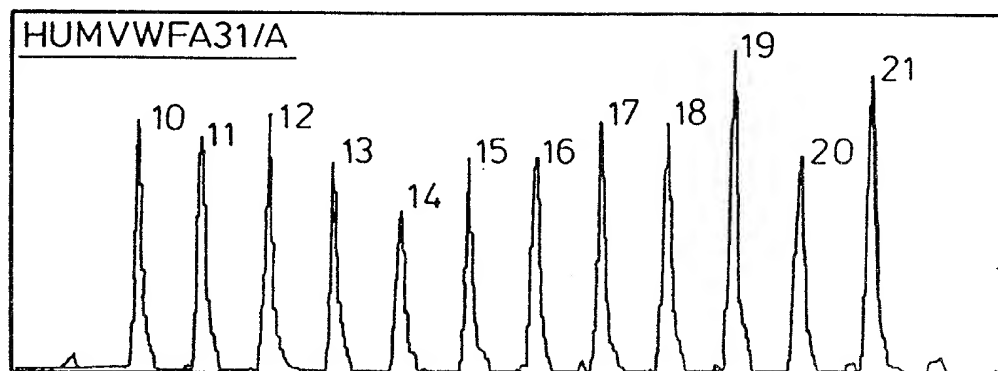
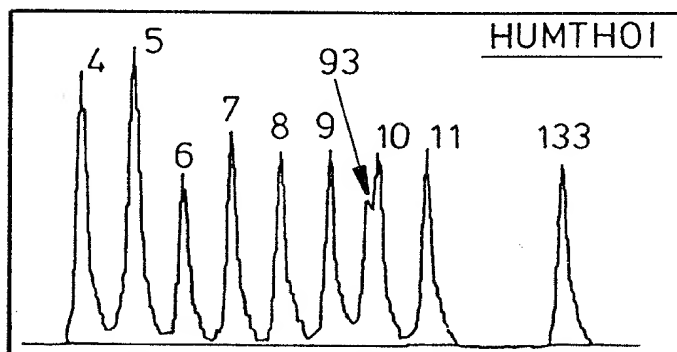
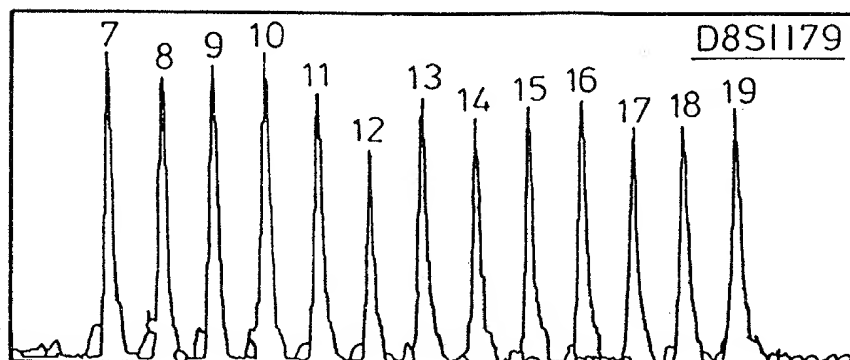


44

1/7

2010-2011

	68	233		16	146		27	342		34.2	246
	70	237		17	150	AMELO	X	105		42.2	278
	72	241		18	154		Y	111		42.3	282
	74	245		19	158					44.2	286
	75	247		20	162					45.2	290
	77	251		21	166					46.2	294
	79	255								47.2	298
	81	259								48.2	302
										50.2	310

FIG. 2aFIG. 2bFIG. 2cFIG. 2d

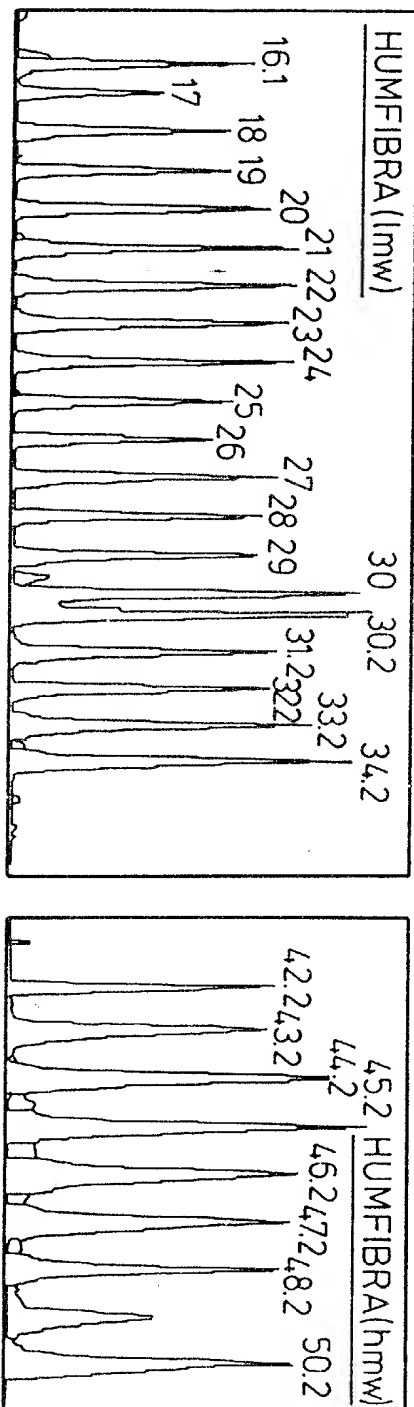


FIG. 2e

Downloaded from www.sciencedirect.com

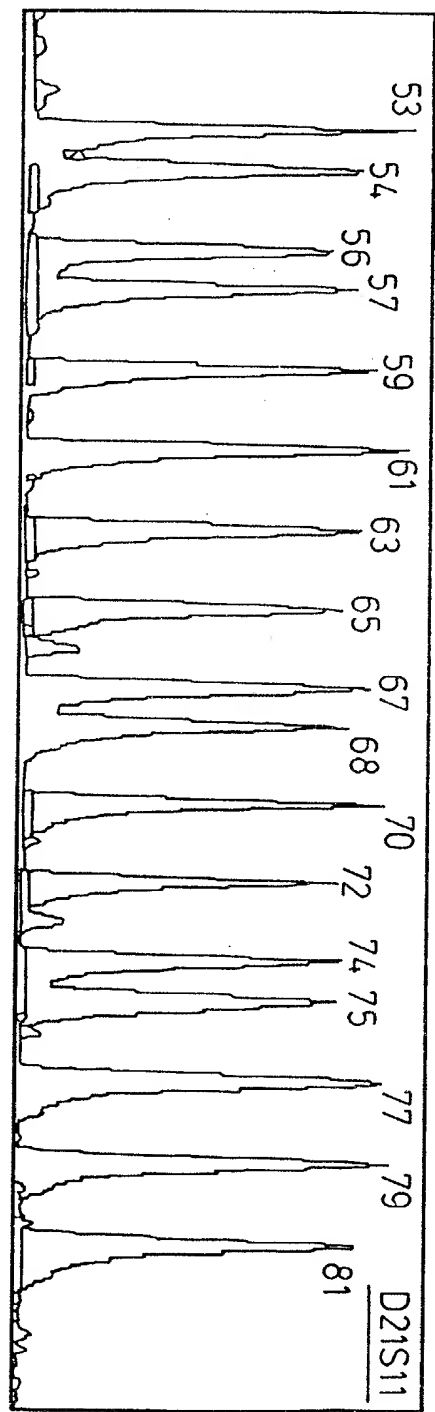


FIG. 2f

5/7

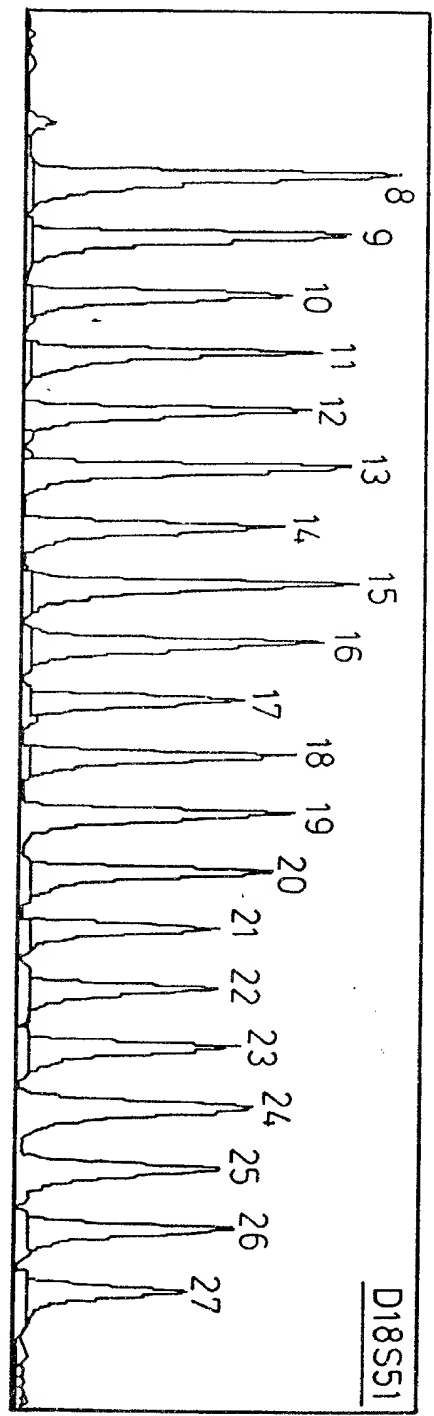


FIG. 2g

HUMVWAF31/A sequences

FIG. 3A

10 TCTA TCTG TCTA (TCTG)<sub>4</sub> (TCTA)<sub>3</sub>12 TCTA (TCTG)<sub>4</sub> (TCTA)<sub>7</sub>13 (TCTA)<sub>2</sub> (TCTG)<sub>4</sub> (TCTA)<sub>3</sub> TCCA (TCTA)<sub>3</sub> (TCCA)<sub>3</sub> T

(Note also that the 13 allele has an atypical 3' flanking sequence (highlighted). The usual sequence is TCCA TCTA T.)

HUMTH01 sequences

FIG. 3B

13.3 (TCAT)<sub>4</sub> CAT (TCAT)<sub>7</sub> TCGT<sup>12th</sup> TCATD8S1179 sequences

FIG. 3C

7 (TCTA)<sub>8</sub>;19 (TCTA)<sub>2</sub> TCTG (TCTA)<sub>16</sub>HUMFIBRA(FGA) Repeat Sequences

FIG. 3D

16.1 (TTTC)<sub>3</sub> TTTT TTCT (CTTT)<sub>5</sub> T (CTTT)<sub>3</sub> CTCC (TTCC)<sub>2</sub>27 (TTTC)<sub>3</sub> TTTT TTCT (CTTT)<sub>13</sub> CCTT (CTTT)<sub>5</sub> CTCC (TTCC)<sub>2</sub>30 (TTTC)<sub>3</sub> TTTT TTCT (CTTT)<sub>16</sub> CCTT (CTTT)<sub>5</sub> CTCC (TTCC)<sub>2</sub>31.2 (TTTC)<sub>4</sub> TTTT TT (CTTT)<sub>15</sub> (CTTC)<sub>3</sub> (CTTT)<sub>3</sub> CTCC (TTCC)<sub>4</sub>32.2 (TTTC)<sub>4</sub> TTTT TT (CTTT)<sub>16</sub> (CTTC)<sub>3</sub> (CTTT)<sub>3</sub> CTCC (TTCC)<sub>4</sub>33.2 (TTTC)<sub>4</sub> TTTT TT (CTTT)<sub>17</sub> (CTTC)<sub>3</sub> (CTTT)<sub>3</sub> CTCC (TTCC)<sub>4</sub>

42.2 (TTTC)<sub>4</sub> TTTT TT (CTTT)<sub>8</sub> (CTGT)<sub>4</sub> (CTTT)<sub>13</sub> (CTTC)<sub>4</sub> (CTTT)<sub>3</sub>  
CTCC (TTCC)<sub>4</sub>

43.2 (TTTC)<sub>4</sub> TTTT TT (CTTT)<sub>8</sub> (CTGT)<sub>5</sub> (CTTT)<sub>13</sub> (CTTC)<sub>4</sub> (CTTT)<sub>3</sub>  
CTCC (TTCC)<sub>4</sub>

44.2 (TTTC)<sub>4</sub> TTTT TT (CTTT)<sub>11</sub> (CTGT)<sub>3</sub> (CTTT)<sub>14</sub> (CTTC)<sub>3</sub> (CTTT)<sub>3</sub>  
CTCC (TTCC)<sub>4</sub>

45.2 (TTTC)<sub>4</sub> TTTT TT (CTTT)<sub>10</sub> (CTGT)<sub>5</sub> (CTTT)<sub>13</sub> (CTTC)<sub>4</sub> (CTTT)<sub>3</sub>  
CTCC (TTCC)<sub>4</sub>

47.2 (TTTC)<sub>4</sub> TTTT TT (CTTT)<sub>12</sub> (CTGT)<sub>5</sub> (CTTT)<sub>14</sub> (CTTC)<sub>3</sub> (CTTT)<sub>3</sub>  
CTCC (TTCC)<sub>4</sub>

48.2 (TTTC)<sub>4</sub> TTTT TT (CTTT)<sub>14</sub> (CTGT)<sub>3</sub> (CTTT)<sub>14</sub> (CTTC)<sub>4</sub> (CTTT)<sub>3</sub>  
CTCC (TTCC)<sub>4</sub>

00000-000000

D21S11 alleles

FIG. 3E

53 (TCTA)<sub>4</sub> (TCTG)<sub>6</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>6</sub> TCGTCT

54 (TCTA)<sub>5</sub> (TCTG)<sub>6</sub> (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA (TCTA)<sub>9</sub> TCGTCT

56 (TCTA)<sub>5</sub> (TCTG)<sub>6</sub> (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA (TCTA)<sub>10</sub> TCGTCT

57 (TCTA)<sub>4</sub> (TCTG)<sub>6</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>8</sub> TCGTCT

59 (TCTA)<sub>5</sub> (TCTG)<sub>5</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>9</sub> TCGTCT

61 (TCTA)<sub>4</sub> (TCTG)<sub>6</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>10</sub> TCGTCT

63 (TCTA)<sub>4</sub> (TCTG)<sub>6</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>11</sub> TCGTCT

65 (TCTA)<sub>6</sub> (TCTG)<sub>5</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>11</sub> TCGTCT

67 (TCTA)<sub>5</sub> (TCTG)<sub>6</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>12</sub> TCGTCT

68 (TCTA)<sub>5</sub> (TCTG)<sub>6</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>11</sub> TA TCTA TCGTCT

70 (TCTA)<sub>5</sub> (TCTG)<sub>6</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>12</sub> TA TCTA TCGTCT

72 (TCTA)<sub>5</sub> (TCTG)<sub>6</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>13</sub> TA TCTA TCGTCT

74 (TCTA)<sub>5</sub> (TCTG)<sub>6</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>14</sub> TATCTA TCGTCT

75 (TCTA)<sub>10</sub> (TCTG)<sub>5</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>12</sub> TCGTCT

77 (TCTA)<sub>11</sub> (TCTG)<sub>5</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>12</sub> TCGTCT

79 (TCTA)<sub>11</sub> (TCTG)<sub>5</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>13</sub> TCGTCT

81 (TCTA)<sub>13</sub> (TCTG)<sub>5</sub> (TCTA)<sub>3</sub> TA (TCTA)<sub>3</sub> TCA (TCTA)<sub>2</sub> TCCATA  
(TCTA)<sub>12</sub> TCGTCT

D18S51 sequences

FIG. 3F

8 (AGAA)<sub>8</sub>